

**WEST**

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File: DWPI

Jan 7, 1983

DERWENT-ACC-NO: 1983-806536

DERWENT-WEEK: 198344

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TITLE: Animal sperm conservation - involves cooling in stages at different rates, glycerine equilibration and freezing

INVENTOR: DELEU, V G; NAUK, V A

PATENT-ASSIGNEE:

ASSIGNEE

CODE

AS MOLD ZOOLOGY

AMLZR

PRIORITY-DATA: 1979SU-2846902 (December 4, 1979)

PATENT-FAMILY:

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MAIN-IPC

SU 986411 A

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006

INT-CL (IPC): A61D 7/02

ABSTRACTED-PUB-NO: SU 986411A

BASIC-ABSTRACT:

0.2-0.5°C  
4°C

Conservation of animal sperm involves diluting it with a protective medium which does not contain glycerine, then cooling it down, diluting the sperm for a second time, this time with a protective medium which does contain glycerine, and freezing. Cooling of the sperm is performed from +30 to +15 deg. C at a rate of 0.4-0.5 deg. C per minute, from +15 to +10 deg. C at a rate of 0.3-0.4 deg. C per minute and from +10 to +4 deg. C at a rate of 0.2-0.3 deg. C per minute. Equilibration with glycerine is performed at +4 to +5 deg. C for a period of 25-30 mins., and the sperm is frozen in vapours of liquid nitrogen at minus 120 to minus 140 deg. C for 8-8.5 mins.  
Bul.1/7.1.83

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: ANIMAL SPERM CONSERVE COOLING STAGE RATE GLYCEROL EQUILIBRIUM FREEZE

DERWENT-CLASS: D22 P32

CPI-CODES: D09-B;

SECONDARY-ACC-NO:

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